# NOVAPPLE Newsletter

$1.75

Volume VIII - Number 6 NORTHERN VIRGINIA APPLE USERS GROUP November 1988


## Letter from the President

by Dave Harvey

A few months ago I had a discussion with Bob Platt, the President of Washington Apple Pi User Group. For those of you who don't know WAP, they're a 5,000 member user group headquartered in Bethesda, MD, with members coming from the Maryland, Virginia and District of Columbia. Many of their members do not live close to Bethesda, but rather live in distant places such as Columbia, MD, Annapolis, MD and Fredrick, MD, and can't always attend the monthly meetings in Bethesda.

As a result of this situation, WAP members, located in the areas listed above, got together and started meeting in their own area. This collection of WAP members is now called "SLICES" to play on the Apple theme. WAP now supports these local groups giving them financial support as well as other support in the areas such as public domain disk sales.

The meeting with Bob Platt concerned this Slice concept but applied possibably to NOVAPPLE, even though NOVAPPLE is a independent club that's duly incorporated in the State of Virginia. Bob proposed that Novapple become a SLICE of WAP. Since that first meeting with Bob Platt, Bob has attended one NOVAPPLE Board meeting where he discussed his proposal with the Novapple Directors. Bob's suggestion was that we make a list of what functions Novapple is now performing that might be better performed by WAP. Before the Board makes any sort of decision, we feel that the members of Novapple should be invited to comment on this proposal. Some of the issues involved with this proposal are listed below:

1. There are many degrees of involvement that we can implement with WAP. At one end of the scale is to contract out to WAP for those services we would like WAP to perform and pay them for the service. As an example, I saw a recent exchange newsletter of an Apple II user group that had as an insert, a newsletter of a Macintosh user group. The other end of the scale would be to disband Novapple completely and have all members join WAP at a higher cost to them.

‹GOTO PAGE 4›

## Apple Releases GS/OS and IIc Plus

From: Paul R. Wenker

Today (9/16) at AppleFest, Apple released the IIc Plus and Apple IIGS System Software Version 4.0 (GS/OS). Here is the jist of the press releases:

---

### Apple IIGS System Software, Version 4.0
### Copyright 1988, Apple Computer, Inc.

Apple IIGS System Software, Version 4.0 is a 16-bit, native-mode operating system (GS/OS) with a revised Finder, and two new utilities: the Installer and the Advanced Disk Utility. Version 4.0 system software improves the performance of independent, stand-alone Apple IIGS systems, and provides a powerful, versatile system software platform for non-networked Apple IIGS software products.

The Apple IIGS system software, Version 4.0 features include:

### 16-Bit Operating System:

The essence of Apple IIGS System Software 4.0 is GS/OS, the first 16-bit, native-mode operating system. GS/OS significantly speeds up boot time, disk access time, and program launch time, and increases the performance of disk-intensive applications. Data can be accessed directly from a wide range of guest file systems via File System Translators. It also has the ability to access file systems that support very large files and storage media (up to 4 gigabytes). GS/OS is compatible with Apple IIGS ProDOS 16 and will run applications that follow ProDOS 16 design guidelines.

### Improved Finder

The Finder has been improved to support GS/OS and to provide better overall desktop performance. Several new features are supported by a more informative interface, allowing better desktop management.

‹GOTO PAGE 4›

Clinton Computer

- 1905 K Street, NW, Washington, DC (202)223-0900
- 8032 Leesburg Pike, Vienna, VA (703)442-3800
- 277 S. Washington St, Alexandria, VA (703)838-9700
- 12204 Rockville Pike, Rockville, MD (301)881-2810

Authorized Dealer

- 9636 Ft. Meade Rd, Laurel, MD (301)953-1110
- 6443 Old Alex. Ferry Rd, Clinton, MD (301)856-2500
- Educational Sales (301)868-0002
- Government and Corporate Sales (301)599-9555

# Apple Names Clinton Computer One of 26 Mac Trainers Nationwide

**Paula Majerowicz, Director of Training**

*"If the Macintosh is so easy to use, then why do I need training?"*

Macintosh software is evolving almost as fast as the marketplace can handle it. With so many different software applications on the market, end users have a difficult time finding a good training program that supports a wide variety of topics. This is why Apple Computer decided to get involved in the training business.

The Apple Training Alliance (ATA) is a national program whereby third party training companies and Apple dealers are selected to provide Apple-developed Desktop Publishing and Productivity curricula to end users.

The ATA entered the pilot phase with four training providers in 1987. In the early part of 1988, Apple invited additional dealers and third party companies to apply for membership. This "invitation to apply" was extended to organizations already demonstrating a proficiency in training.

Clinton Computer's Training Department was pleased to receive an invitation to apply for membership in the ATA program, and, in June of 1988, we became one of only twenty-six ATA providers across the country.

With the September opening of our newest classroom in Clinton, we now operate four Learning Centers in the Washington metropolitan area, all of which are ATA authorized. These facilities include Laurel, Rockville, and Clinton, MD, and Alexandria, VA.

In addition to the desktop publishing curriculum, Clinton's Training Department is authorized to provide the ATA Productivity curriculum which includes Introduction to the Macintosh, Microsoft Word, Microsoft Excel, and 4th Dimension.

While Apple will continue to evaluate which software applications will be included in the ATA offerings, they rely on ATA providers, such as Clinton, to supplement the program with other popular applications training. This combination provides Macintosh users in the Washington metropolitan area with a valuable and reliable source for increased computer productivity through training.

A dedication to customer support through value-added services such as training is not new to Clinton Computer. Our goal is to stand by the products we sell through service, support, and training. Joining the Apple Training Alliance is just one way in which we work to realize that goal.

GIGANTIC

After-Inventory

Clearance

S•A•L•E

Over $250,000 of Equipment!

Computers • Printers
Modems • Paper
Test Equipment • Tools
Disks • Ribbons
Carrying Cases • Furniture

Sat-Sun, Nov. 5-6

9 AM - 6 PM Both Days
6457 Old Alex. Ferry Road
Clinton, MD
(adjacent to store)

*For more information, contact Dana Stibolt at 599-9555*

**CLINTON COMPUTER'S DISCOUNT POLICY FOR NOVAPPLE MEMBERS**

*CLINTON COMPUTER offers NovApple members a 25% DISCOUNT OFF THE LIST PRICE on all Apple-brand peripherals and AppleCare. For upgrades, the 25% discount applies to both the parts and normal labor rate. Discount is available to persons who have been members for at least 3 months. Discount cannot be applied retroactively. Members need to present their cards up-front. Discount cannot be used in combination with other promotions. Products on allocation from Apple are excluded from this offer. Clinton Computer reserves the right to change this policy at any time. Apple, the Apple logo, Macintosh, AppleShare and LaserWriter are registered trademarks of Apple Computer, Inc. Apple products are available only from authorized Apple dealers. They are not available by telephone or mail order.*

# APPLE Discounts

## *from VF Associates*

### MACINTOSH CORNER

- DS/DD DISKS, BOX OF 10 .. $14.00 ★
- DS/DD DISKS, CASE OF 50 . $65.00 ★
- HIGH DENSITY DISKS, BOX OF 10 ..... $45.00 ●
- HIGH DENSITY DISKS, PAK OF 25 ..... $105.00 ●
- 10 DISK STORAGE BOX ..... $2.50
- 36 DISK STORAGE BOX ..... $9.00
- MODEM CABLE ..... $19.00

### 5¼ INCH DISKETTES & STORAGE

- SS/DD, BOX OF 10 ..... $5.00
- SS/DD, PAK OF 25 ..... $11.00
- SS/DD, CASE OF 100 ..... $39.00
- SS/DD, CARTON OF 500 .. $175.00
- 2-NOTCH/DS/DD, BOX OF 10 ..... $6.00
- 2-NOTCH/DS/DD, PAK OF 25 ..... $13.00
- 2-NOTCH/DS/DD, CASE OF 100 ..... $45.00
- 10 DISKETTE CASES .. $2.25 EACH, 5 for $10.00
  (SPECIFY COLOR CHOICES: BEIGE, BLACK, BLUE, GREEN, GREY, RED, YELLOW)
- 75 DISK FLIP TOP CASE ... $11.00
- 160 DISK LOCKING CASE .. $29.00

### PRINTERS

- CITIZEN 120-D ..... $179.00
- STAR NX-1000 ..... $199.00
- PANASONIC 1080i/2 ..... $209.00 ★
- PANASONIC 1091i/2 ..... $249.00 ★
- CITIZEN MSP-15e, WIDE .. $399.00
- NEC P2200, LQ ..... $415.00
- STAR NB-2410 ..... $495.00
- STAR NB-2415 ..... $625.00
- LASERJET PLUS COMPATIBLE ..... $1825.00

### PRINTER ACCESSORIES

- 1000 SHEETS OF PAPER ... $19.00
- 2500 SHEETS OF PAPER ... $29.00
- PANASONIC/CITIZEN/EPSON RIBBONS ..... $7.00
- GRAPHICS PARALLEL INTERFACE CARD ..... $59.00
- PRINTER STAND ..... $14.00
- PRINTER CART ..... $59.00
- SWITCH BOX, 2 WAY ..... $25.00 ★
- SWITCH BOX, 4 WAY ..... $39.00 ★
- IN LINE BUFFER W/32K .... $79.00

### DISK DRIVES

- 5-1/4" FLOPPY DRIVE ..... $95.00
- CONTROLLER ..... $49.00

### MODEMS

- 300/1200 EXT ..... $95.00
- 300/1200/2400 EXT ..... $149.00 ★

### MONITORS

- MED. RES. COMPOSITE .... $89.00
- HI RES COMPOSITE/GREEN . $129.00
- HI RES COMPOSITE/AMBER . $139.00
- COMPOSITE COLOR ..... $239.00
- RGB COLOR ..... $269.00
- MONITOR STAND ..... $15.00
- 12" GLARE SCREEN ..... $19.00

### SOUND & VIDEO DEVICES

- MUSIC SYNTHESIZER ..... $149.00
- COMPUTEREYES ..... $119.00

### CHIPS

- 2764 EPROM ..... $6.00
- 27128 EPROM ..... $8.00
- 64K, 150 NS ..... $2.95 ★
- 256K, 150 NC ..... $12.50 ★

### GENERAL ITEMS

- SURGE PROTECTOR ..... $9.00
- 6-OUTLETS WITH SURGE PROTECT ..... $19.00
- MINI POWER CENTER ..... $58.00
- CABLE GENDER CHANGER .. $9.00
- CABLES (S OR P) ..... $19.00
- STATIC MAT ..... $32.00
- MOBILE COMPUTER STAND ..... $139.00

### COMPATIBLE COMPUTERS

- LASER 128 ..... $395.00
- LASER 128EX ..... $475.00
- VF PC, APPLE II & IBM COMPATIBLE ..... $930.00
- VF-PC, IBM COMPATIBLE . $584.00
- VF-AT, IBM COMPATIBLE . $992.00 ★
- VF-386, IBM COMPATIBLE ..... $3190.00 ★

### GAME I/0 DEVICES

- STANDARD JOYSTICK ..... $29.00
- CH MACH III JOYSTICK ... $39.00
- I/0 PORT EXPANDER ..... $25.00
- 9-16 OR 16-9 ADAPTER ..... $9.00
- MOUSE ..... $75.00

**THIS MONTH'S SPECIAL:**
VF-AT, 12 MHz, 1 Wait, Complete System Components:
**$992.00!**
Assembled & Tested:
**$1092.00!**

### SLOT EXPANSION

- GS RAM, 256K ..... $209.00
- SERI-ALL ..... $99.00
- ACCELERATOR ..... $179.00
- EDD 4 PLUS EXACT BIT COPY BOARD ..... $69.00
- MULTIPLE-SLOT CHASSIS . $149.00
- SINGLE-SLOT EXTENDER .. $29.00
- QUICK-LOADER PROM BD ..... $149.00
- PROM BURNER ..... $119.00

### SPECIAL PERIPHERALS

- COOLING FAN WITH SURGE PROTECT ..... $39.00
- POWER SUPPLY ..... $69.00
- NO SLOT CLOCK ..... $39.00
- SHIFT KEY MOD KIT ..... $8.00
- RF MODULATOR ..... $39.00

### APPLE SOFTWARE

- COPY II+ ..... $29.00
- ESSENTIAL DATA DUPLICATOR ..... $25.00
- PLUSWORKS (RUNS APPLEWORKS ON II+) ..... $19.00

### APPLE IIc CORNER

- SECOND DISK DR FOR IIc . $95.00
- HOTLINK TO PARALLEL PRINTER ..... $55.00
- GRAPPLER C ..... $99.00 ★
- PRINTER OR MODEM CABLE ..... $20.00
- DISK DRIVE CABLE ADAPTER ..... $14.00
- 9-16 GAME I/0 ADAPTER .... $9.00
- MULTI-RAM CX, 256K .... $239.00

**★ DENOTES NEW PRICE**
**● DENOTES NEW ITEM**

**UPS SHIPPING:** $4.00 per order plus $6.00 per printer or monitor.
**Computers:** $30.00
**LONG DISTANCE:** Call 800-666-STAR;
**LOCAL:** See Local Numbers.
**PLEASE NOTE:** Add 10% per 30 days for purchase orders.

**PLEASE NOTE:** Prices change often. Price on date of purchase applies.

VF ASSOCIATES

8231 Woodmont Avenue, Bethesda, MD 20814 ☎ (301) 652-4232
Bulletin Board Service (Modem) Bethesda ☎ (301) 320-6098

## Letter from the President, Continued

This, of course, would be hard on 2/3 of our members who right now are not members of WAP.

2. We have a long standing agreement with WAP to participate in a mutual public domain software exchange. All disks that WAP issues we can get a copy, just for the price of a blank disk in exchange. I'm sure there're other areas of cooperation that could be realized without becoming a Slice.

3. Right now we're an independent club and have certain advantages over a large group such as WAP. We surely would loose this advantage if we were absorbed by WAP.

4. When the other SLICES formed within WAP, it was because of a grass roots, medium sized group of active WAP volunteers that approached WAP and asked permission to form a Slice. In Novapple's case, WAP approached us. We don't have a grass roots, medium sized group of active WAP volunteers. It's more like a small size group of volunteers that don't necessarily all have the same opinions on the subject.

5. Although we in the past have had some problems with providing services, I feel we are on the upswing and think that in the next few months we can see an increase in services to members. I say this for a number of reasons. First, we now have a new editor of our newsletter who is willing to devote lots of time in the future to putting out a quality monthly newsletter on time. Activity in our Disk Library promises to improve with increased time devoted to it by our volunteers.

6. In the past, Novapple has not been able to support our Macintosh members very well. We expect this to change now that the NoVaMAC users group is on the scene. Regardless of to what degree the two groups merge, we can expect cooperation and joint efforts on our disk library, BBS, answering machine and newsletter that will benefit members of both groups.

Anyway, that's some of the issues that we hope to discuss at the November meeting. I hope all interested members can attend and contribute to the discussion.

# *HEAR YE, HEAR YE...*

## Hard Copy Librarian Needed

We're still looking for a home for our hard copy library which consists of a full library cart and back issues of newsletter exchanges. The library is now located in a storage area within room 110 at the college and is not readily accessable. The ideal solution might be to find a public library or school library to accept it and allow members to use it.

〈GOTO PAGE 6〉

## Apple Releases, Continued

### Two New Utilities

The Advanced Disk Utility and the Installer are two new system utilities included in the 4.0 release. The Advanced Disk Utility has an easy-to-use graphics interface, and provides functions such as initializing and erasing hard and floppy disks. Hard disks can be partitioned to create multiple file systems on a single disk.

The Installer can be used to customize start-up disks to match the system configuration. For example, the Installer can be used to add a start-up disk to the appropriate system file needed to connect a SCSI hard disk or CD-ROM drive to the Apple IIGS. It also ensures system software integrity by updating associated system files to the correct version, freeing you from manual updates of system files.

Apple IIGS System Software 4.0 requires 512K RAM and ROM version 01.

## Apple IIc Plus

Copyright 1988, Apple Computer, Inc.

The Apple IIc Plus CPU has a built-in accelerator that increases speed from 1 megahertz to 4 megahertz, an internal power supply, and an internal 3.5 inch disk drive. It is a compact, lightweight computer that is versatile, easy-to-use, and compatible with a large number of software programs.

The Apple IIc Plus replaces the Apple IIc and offers these enhancements:

### Increased Speed

The Apple IIc Plus has a selectable, built-in accelerator that can increase its clock speed from 1 MHz to 4 MHz. This means that the Apple IIc Plus can run most programs four times faster than the Apple IIc. And, if a program is running too fast, the accelerator can be turned off so that the computer operates at 1 MHz (the operating speed of earlier models of the Apple II).

### 3.5" Internal Drive

The Apple IIc Plus includes an internal, 3.5" 800K floppy disk drive with a push button for motorized disk ejection. The Apple IIc Plus has a disk storage capacity of over five times that of previous Apple IIc models (approximately 400 pages) and increased speed when maneuvering through applications. The Apple

〈GOTO PAGE 6〉

SEPTEMBER BOARD MINUTES

The September meeting of the Board of Directors of NOVAPPLE was held on September 23, 1988 at the home of Tom Lucas. At the meeting was Tom Lucas, Susan McGlohn, Ted McGlohn, Jim Thornburg, Dave Harvey and Mike Rasberry. Mike Rasberry was a special visitor to the meeting and is President of NoVaMac User Group of Falls Church.

The first item on the agenda was the status of the newsletter. Dave reminded everyone that we now have a new editor for the Novapple newsletter, Susan McGlohn. Susan then informed everyone that she had a meeting planned with our printer to go over the details of the process of getting out a newsletter. The present plan is for the next issue to be the November issue. This issue will be printed and mailed sometime in October so that it will reach member's hands before November 1. The November issue will be a 10 page issue. As to how many pages the issues after that will be will depend on how well our finances are at that time. It was pointed out that we have been saving a lot of money lately each month, since the last issue of the newsletter was in May, 1988. It is hoped that the Dec/Jan issue will be at least 4 pages long, more if possible. Everyone complimented Susan on the Novapple newsflash. It worked out really well.

The next item was a discussion of membership status. Ted McGlohn gave his report. Ted reported that we now have about 142 members. There was a discussion on how we could get new members. Jim Thornburg said that it seems like a lot of our members have become experts with their computer systems and feel they no longer need any help from NOVAPPLE. Dave Harvey mentioned some of the steps he has been taking to let people know about NOVAPPLE such as listing in Computer Shopper, the Computer Access resource guide to come out this fall, and in the Computer Digest. Our meeting schedule has been in the Fairfax Journal in the past.

The next item was the proposal to combine resources with one of the other Apple user groups in the Falls Church area, NoVaMac User Group. Mike Rasberry gave a brief history of the group. The group is only about 2 months old and is mainly composed of business users of the Macintosh computer. They have about 20 members. Mike felt that there were certain resources that could be shared with Novapple. Some of the areas were newsletters, disk library, and user information exchange (i.e. BBS). Dave Harvey described a recent exchange newsletter that came in that was published by two groups-- an Apple II and a MAC group. The MAC group newsletter was stapled in as a center insert to the Apple II newsletter. He suggested we could go that way or fully integrate the two into one newsletter like the WAP Journal does now. The management of the two groups could be full integrated, if desired by all, with a combined slate of officers. After discussing all the aspects of the matter, Mike will now go back and discuss with his user group management to see which direction they want to take.

The next item discussed was to be status of the treasury. Since Ina Concaugh couldn't make it to the meeting, this item was tabled until the next meeting. Dave Harvey will phone Ina and get a status of the treasury.

The next item was the status of the disk library. Since Pat Herlands couldn't be present at the meeting, Dave Harvey gave the status. He reported that Pat had met or will be meeting with the WAP librarian, Jim Little, to go over matters of what disks we are missing from the WAP inventory and what ones wAP doesn't have from the Novapple inventory. He also announced that Pat is making up a disk for distribution at the next meeting. He also indicated that Pat was working on a plan that would allow members to know what is available to purchase in our library. This would involve either distribution of a list via our newsletter or to be handed out at meetings or mailed to members that request the list. It could also maybe take the form of a disk with the information on it.

The last item discussed was the proposal whereby Novapple would become a "slice" of Washington Apple Pi. Dave Harvey briefly described what presently a Slice is. Dave passed out a draft "Letter to Members" that he plans to put in the next newsletter. He thought that before we took a survey of all the members, a general discussion of the issues involved should be held at one of our meetings. It was decided that the November meeting would be a good opportunity for this. The notice of the discussion would be in the November issue. Tom Lucas stated that the issue was discussed at the September meeting. There wasn't very many people present at that meeting, just about 12 or so. Tom said that he explained to those present that the degree to which we become a slice would be up to us. As proposed by WAP, we should look at what functions Novapple is doing now that they would like to give up and let WAP do. At one end of the spectrum, we could contract for some of the services we would like WAP to perform and at the other end we could disband Novapple and be absorbed by WAP. Tom indicated that of the small group present, that most wanted Novapple to disband and be absorbed by WAP. There was agreement that that was a small amount of members and didn't necessarily represent the feelings of the other 150 members of Novapple.

It was agreed the next meeting of the Board will be on 23 October at the same time and place.

*HEAR YE, HEAR YE...CONTINUED*

## NOVEMBER MEETING

In addition to talking about us becoming a Slice of WAP, we'll also be talking about some Desktop Publishing programs at the November meeting. At the December meeting, we'll again have our annual Holiday meeting with cookies and punch and demoing of music software.

Although we've been announcing it at our Saturday meetings, we failed to include in the last Novapple Newsflash that we are no longer having meetings on Wednesdays. We've found that attendence has been falling off at that meeting over the last several meetings and also considering the finate number of volunteers we could not support two programs a month.

We want to remind everyone that we have a raffle at each of our monthly meetings where we give away prizes, such as commercial software, blank disks, and computer accessories.

---

## Apple Releases, Continued

3.5 Drive, Apple 5.25 Drive, or the UniDisk 3.5 Drive, or a combination of external drives can be configured with the Apple IIc Plus. This means that 5.25" disks can be used with the Apple IIc Plus.

### Improved Portability

The Apple IIc Plus has an internal power supply which is self-contained, making the Apple IIc Plus highly transportable. Its handle makes the Apple IIc Plus easy to transport and locks in a downward position, providing a stable inclined keyboard for greater convenience.

### Standardized Apple Cables

The Apple IIc Plus (as well as Apple IIGS and Macintosh CPUs) uses the same Apple System Peripheral-8 cable for connecting peripherals to built-in serial ports.

### Software Compatibility

Existing software applications work with the Apple IIc Plus and take full advantage of its new features. Over 500 software applications for the Apple IIc Plus are available on 3.5" media.

## Electronic Body Language

Facial Expression

One of the greatest difficulties when communicating by computer is that you often cannot tell if the author of a note is serious, joking, angry, or being sarcastic because you cannot see the author's face. As a result, users of computer-based conferencing systems have developed patterns to represent facial expression. Just look sideways to see the expressions.

Some examples of patterns are presented here for your consideration, but you should enjoy creating some of your own. These patterns were created using the colon (:), semicolon (;), hyphen (-), opening and closing parentheses, the vertical bar (|), right brace (}), slash (/), and the tilde (~).

:-) Joking or sarcastic face

:-} Fiendish grin

;-) A wink

:-( Sad or angry face

|-( Late night

Intonation

Use all uppercase letters for when you want to SHOUT in your note. Surround with asterisks a word you want to emphasize (like *this*).

Emotion

A conversation that lacks emotion lacks vitality. While most people cannot begin to conceal their emotions in a meeting, they can easily create notes that are carefully controlled, reserved, even dull. Do not be afraid to rant, protest, or pontificate in your notes -- just be considerate enough to warn people that you are about to express an angry or unsolicited opinion.

One way of signalling the boundaries of a tirade in your text is to use some symbol, word, or expression before and after the text in question. For example, you could surround an online rampage with <FLAME ON> and <FLAME OFF>.

Using this technique, you provide a socially acceptable emotional outlet for participants who might otherwise be discouraged for fear of being misunderstood or unloved, and simultaneously spare participants who have better things to do than continually indulge chronic complainers.

Since the time of this note, about a zillion and one different (and odd) expressions have been developed. Use your own sense of creativity, but comment if it's too vague for everyone to understand.

## EXCERPTS FROM MAC-DIGEST

From: Laurie Webster-Saft
Subject: InvisiHDMainBo3b

Writing to you from SUNY Albany. We believe that InvisiHDMainBo3b is where a virus is lodging and causing all kinds of problems. We have it here at the University and are having a very difficult time eradicating it. It acts like the SCORES virus, but not as quickly. Eventually it eroded our systems resources making it very difficult to even erase the hard disk. The reason we think the virus is lodging in InvisiHDMainBo3b is Apple's Vaccine program identifies it as a questionable INIT file, but tells us to relax. In the meantime, the system, finder, printing resources, etc. are being modified every time we turn on the machine, plus other times in no kind of pattern.

We though we had eradicated the virus in August to find that while bringing back files one at a time from our back-ups and checking each one, it was reintroduced again. When you are a true Mac User (not programmer) everything you find about viruses is in programmese; even the instructions on how to get rid of the virus. Any tips (in English) would be appreciated. We contacted the local Mac User group with no real solutions. There are several macs on campus infected, and the university doesn't support mac so there is no help there.

[Moderator's Note: InvisiHDMainBo3b is an invisible data file from HDBackup! This is the worst part about viruses, they spread fear and paranoia! You have no virus, you are merely backing up your hard disks. --Jon]

From: Bob McCowan
Subject: MacDraw II question & comments

We just received our copy of MacDraw II the other day and I'd like to pass on some comments and questions.

This is a good package. It should take care of most of the design needs that I have. It's very much like old MacDraw in operation, so it doesn't take long to learn. Some of the features that make this package good are the zooming, the layering, and the ability to rotate objects at arbitrary angles. Also very useful are the ability to save various rulers, line styles, and views. There are many other features that make this a great improvement over MacDraw.

There are, however, a few things that could be improved. Color support is only the old 8 color, fixed palette, with mixing in patterns used to provide other colors. MacDraw II should support full color.

The ability to draw objects from a center rather than a corner is good, especially for circles. When drawing an arc from the center, the center is apparently the centroid of the shape, rather than the center of the circle of which the arc is a part. When I draw an arc from the center, I want to pin down the position of the center of the circle.

Dashed lines only work for lines. You can't make a dashed circle or polygon.

Pattern fill works as it did on old MacDraw. A paint-bucket type of fill would be useful for shading areas bounded by arcs, etc. Maybe a polygon maker could do this: click in a white area and the program would look for the edges of the innermost enclosed area, and create a polygon from those edges. Also, it would be nice to take two open polygons and connect them into one. Splitting a polygon is easy, just duplicate it and delete the undesired vertices.

More arbitrary alignment features would be good. For instance, align selected points on objects (ie vertices on a polygon).

MacDraw II has plotter support with the MacPlot driver. I haven't been able to try it. Even though we have some plotters, none of them are available to hook up, and the driver seems unable to write to a file. Maybe someone's written a cdev or whatever that will reroute the output to a serial port to a file. There are problems with switching back and forth between the Laserwriter driver and the plotter driver. Quitting the program generally clears them up.

One major problem that I see is the inability to save in a published format that retains all of the info in the document. Saving to the clipboard illustrates this problem. Make a color drawing, cut it, paste it into another program, copy it out and paste it back into MacDraw II, and the color is lost. Even Pict format has 8 color built in. The rest of the information should at least be implemented into PICT comments.

I realize that some of my wants would be provided by a CAD program, and this program is only $300.

All-in-all, MacDraw II is a good program, and it seems so far to be bug-free, although I haven't tested it thoroughly. Any help with writing plotter info to a file so I can carry it to a plotter we have would be greatly appreciated.

From: Jon
Subject: MacApp versus LSP 2.0 Comments

I spoke with the developers of LightSpeed Pascal 2.0 at MacWorld and then took Dave Wilson's MacApp class wherein we spoke a bit about LSP versus MacApp. Here's the situation as I understand it. LSP cannot handle either the conditional compilation directives or the segmentation directives of MPW Pascal (TML Pascal II can). The LSP people said that they were hacking/getting a version of MacApp that would be specially treated for LSP. Dave Wilson said he thought that might fly but that Kurt Schmucker



(GOTO PAGE 8)

## MAC-DIGEST CONTINUED...

apparently lambasted the LSP people saying that no one wanted to buy another version of MacApp, which is quite true. I've paid enough for all the various versions of MacApp that I haven't used.

Apparently the segmentation problem is the more massive one as LSP places an entire unit into a segment while MPW Pascal and MacApp can and do place any routine into any segment. For example, all the methods of an object are defined in the same unit, but the debugging routines all go into the debugging segment, printing routines into the printing segment, etc.

From: Morgan Davis
Subject: 3.5" hard disks

Chris Shatara asks:
Question is now who is willing to be a first user and assess the reliability of [Applied Ingenuity's] system.

When my Datamac drives started to go flakey after four years of solid usage (normal wear and tear; they exceeded the MTBF rating), I shopped around for a replacement mechanism to retrofit the Tandon and Quantum units that Datamac used in their drives. The one I found was a Seagate ST-125, a 3.5" platter, very quiet, 38ms access, 20mb drive mechanism. I assume this is the same unit that Applied Ingenuity is using (though they might be using the SCSI model, I'm not sure). I can't say anything about their total drive package, but I am pleased with the performance of the ST-125 -- it is very fast, and very quiet. I also hear that a 28ms access unit might be produced soon, and that should really scream on an Apple.

(For those owners with ailing Datamac drives, installing the ST-125 wasn't just a plug-in-and-go procedure. I had to modify and burn a new EPROM for the drive's controller board to handle the different cylinder and head count of the ST-125. FYI.)

Subject: Z8000

Lance Hendrix writes: I have been looking for information on the Z8000 series chips. I have heard that the new Z8000 can replace the z80 one for one. I have even wrote Zilog for the this info, but they have not answered my letter. The local dealers can not either deny/confirm the existance of these chips. I want to know if these chips are pin compatable?

Thomas C. Murphy writes: Last I heard, the Z80 and Z8000 have little in common except 3 characters. The Z8000 is a 16-bit chip, isn't it? Information on the Z8000 series of IC's can be found in the Zilog (408 370-8000) "Z8 Family Design Handbook." The Z8 family consists of several 8-bit Microcomputers (MCU's) some even including BASIC interpreters. Seeing as the Z80 is a CPU and the Z8 series are MCUs (containing extra functions such as RAM/ROM/EPROM/ UART/etc.) it is unlikely that you will find one that is pin compatable.

From: Jim Anderson
Subject: SCSI HD (was: D-I-Y SCSI for Apple ][)

I have personally tried the 'roll yer own' SCSI hard drive system. And it works VERY well. I have the pinouts for putting it together, and are available to anyone that is willing to do some soldering and save about $200 under the price of a CMS 60meg!! I now have a SCSI system with a ST277N in an external case.

### APPLE IIe SYSTEM FOR SALE!!

| | |
|---|---|
| Platinum //e | $500 |
| Two 5.25 Disk II & controller | $125 |
| ProGrappler | $50 |
| Epson Mx-80 (new roms) | $100 |
| TimeMaster II | $50 |
| DataLinker-1200 | $100 |
| Monochrome monitor | $75 |
| System saver fan | FREE |
| TOTAL | $1000 |

Notes:
This is Apple's latest verson of the IIe.
The Prograppler allows you to print anything.
The Printer has new roms which allows the printer to print in Near Letter Quality.
Lots of free software plus the cooling fan.
Willing to sell the modem separately.

Call: Ted McGlohn 703-979-2052 after 5 pm.

## MORE ON APPLEFEST

From: Jake Hoelter

GS/OS: I bought GS/OS from APDA on saturday (had to wait in line for 45 min to get it). It is *much* faster than ProDOS-16, though mostly compatible. When you boot, a picture appears on the screen of a small IIGS with the words "Welcome to the Apple IIGS" and a thermometer shows the boot progress.

There is a new finder, version 1.2, rewritten to support GS/OS's new features. It doesn't look too much different. There is a new NDA, "cache" which lets you set the GS/OS cache buffer size.

(GOTO PAGE 10)

Law Offices of

**GRACELIA R. HELRING, P.C.**

ATTORNEY-AT-LAW/ABOGADO LIC.

1008 NO. RANDOLPH ST #202

ARLINGTON, VA 22201

**(703) 528 2154**

**GRACELIA R. HELRING**

Se Habla Espanol

# OFFICERS OF NOVAPPLE

| | | | | | |
|---|---|---|---|---|---|
| PRESIDENT | Dave Harvey | 578-4621 | EDITOR | Susan McGlohn | 979-2052 |
| VICE PRES (Pro-Temp) | Ted McGlohn | 979-2052 | HOTLINE | | |
| TREASURER | Ina Concaugh | 256-3062 | COORDINATOR | Jim Thornburg | 750-1367 |
| SECRETARY | Jim Chaisson | 971-1996 | INDEXER | Bob Pakulski | 560-0559 |
| APPLE PROGRAMS | | --- ---- | ARCHIVIST | | --- ---- |
| MACINTOSH PROGRAMS | Tom Lucas | 321-9593 | BBS SYSOP | Bill Sanderson | 352-1568 |
| DISKETTE LIBRARIAN | Pat Herlands | 532-5589 | DOCUMENT | | |
| GROUP PURCHASERS | Shelly Kramer | 960-9424 | LIBRARIAN | Alan Florkowski | 524-2387 |

The Area Codes for Club officers if calling outside the Meto Area is (703 - Va) or (301 - MD).
CLUB PHONE (Answering machine with announcements - will record your messages.) (301) 899-4005

Our newsletter is published monthly, runs 10 pages a month, with a circulation of over 200. The newsletter is partially supported by advertising and we are always looking for new advertisers. Members can place non-commerical ads in the newsletter for free. Our advertising rates are listed below and payable in full when the ad is placed. A ten percent discount for 5 issues.
For more info, please contact Dave Havery at (703) 578-4621, or leave a message at the Club phone.

Business Card size = $10.00
Quarter Page size = $20.00 Half Page size = $ 30.00 Half Page size (back cover) = $35.00
Full Page size = $50.00 Full Page (inside front cover) or (inside back cover) = $60.00

## MORE ON APPLEFEST, CONTINUED

I did not get the beta docs of the GS/OS ref man, so I can't tell you much about its new features. It now supports FST's (File System Translator) which allow GS/OS to read files from different operating systems, so importing files is transparent to the application. The FST's supposedly supplied with System Disk 4.0 are ProDOS (for ProDOS-8 compatibility), ISO/High Sierra (for CD-ROM), Character (for improved access to character devices), and not-yet-but-really-soon a Mac HFS FST (to read mac files, no less). My package came with two disks which were the same. I think APDA blew it because I'm missing a number of files referred to in the docs (for example all the AppleTalk files).

There are new drivers, including an Epson printer driver, and a parallel interface driver.

Two new applications mentioned in the press release (but not my APDA docs and not on the disks) are the Advanced Disk Utility and the Installer. The Advanced Disk Utility "allows you to initialize, erase, and partition hard disks, as well as both 5.25 and 3.5-inch floppy disks". The Installer "lets you update your startup disks and customize their configuration for your system and its attached peripherals". Installer will make it easy to update system disks by checking tool, driver, FST, etc, version numbers againt new ones and updating where appropriate.
Apple will be (supposedly has) releasing a package to dealers for people to buy wich will contain all the new goodies, documentation (user dox, that is) and so forth. You'll have to buy that (I didn't hear a price) but Apple also said they will make it available on online services like GEnie and Applelink.

Which brings me to the next subject, Applelink. I bought the intro Applelink package for $35 and started using it last night. It's neat. I don't think it will hurt GEnie and Compuserve much, but it will be especially nice for the "average Joe" because it is *so* easy to use. A mouse-based BBS! As of yet, though, the libraries and forums are somewhat sparse, I suppose because not many people are using it yet. If you want more info on this, let me know.

NOVAPPLE
P. O. BOX 8211
FALLS CHURCH, VA.
22041-8211

I BULK RATE I
I U. S. POSTAGE I
I PAID I
I ALEXANDRIX, VA. I
I PERMIT NO. 998 I

Expiry date: Oct 88